

Listing of Claims:

Please amend the claims as follows:

Claim 1 (currently amended): A method of surveying drill holes comprising the steps of:

drilling a borehole with a drill string having a drill bit located at a cutting end of the drill string, wherein feeding a survey tool comprising an inertial survey package is disposed within the drill string at the cutting end and advances with the drill string into a the borehole on the end of a while the drill string is operational to drill the borehole as part of a hole drilling operation[[,]];:

activating the survey tool once drilling is completed[[,]];:

withdrawing the drill string from the borehole;

determining when the drill string is halted during the withdrawing of the drill string from the borehole; and

taking position readings from the survey tool package as withdrawal of the drill string is temporarily halted to remove each drill rod from the drill string in response to determining that the drill string is halted during the withdrawal of the drill string from the borehole.

Claim 2 (previously presented): A method as claimed in claim 1, wherein the survey tool is maintained in a sleeping mode while drilling is undertaken.

Claim 3 (previously presented): A method as claimed claim in 2, wherein the survey tool is configured to sense the cessation of drilling to activate the survey tool once drilling is completed.

Claim 4 (canceled).

Claim 5 (currently amended): An apparatus for surveying drill holes using a method incorporating the steps of:

feeding a survey tool disposed within a drill string into a borehole ~~on the end of a~~ while the drill string is operational to drill the borehole as part of the hole drilling operation[[,]];:

activating the survey tool once drilling is completed[[,]]; withdrawing the drill string from the borehole; determining when the drill string is halted during the withdrawing of the drill string from the borehole; and
taking position readings from the survey tool as withdrawal of the drill string is temporarily halted to remove each drill rod from the drill string in response to determining that the drill string is halted during the withdrawal of the drill string from the borehole, wherein the survey tool includes an inertial survey package and a power source.

Claim 6 (original): An apparatus as claimed in claim 5, wherein the survey tool also includes a data logger.

Claim 7 (previously presented): An apparatus as claimed in claim 5, wherein the survey tool is mounted to the drill string by a damping system arranged to isolate the survey tool from vibrations and acceleration induced in the drill string.

Claim 8 (previously presented): An apparatus as claimed in claim 5, wherein the inertial survey package is selected from the group comprising commercially known inertial survey packages, for superior characteristics of resistance to vibration and impact from a group comprising commercially known inertial survey packages.

Claim 9 (original): An apparatus as claimed in claim 8, wherein the inertial survey package is selected for superior resistance to vibration and impact when in a sleeping mode.